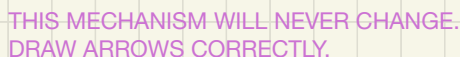
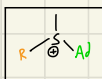
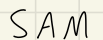


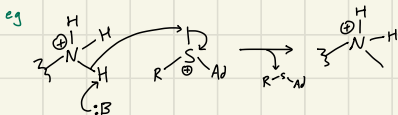
Non-heme/α-ketoglutarate Fe oxidase (learned heme Fe oxidases Exam 2)



example to memorize: $-\text{NH}_2^+$ demethylation



Methylation - add $-CH_3$



any nucleophile

$$\text{Nu:} \quad \text{R}-\overset{\oplus}{\text{S}}-\text{Ar} \longrightarrow \text{Nu}-\text{Ar} + \text{R-S-}$$

